

Attorney Docket No.: QCPA577

Amendments to the Specification:

Please replace paragraph two on page one with the following amended paragraph:

The present invention is concerned with transmitting data at rates which are higher than the capacity of a single code division multiple access (CDMA) channel. Many solutions to this problem have been proposed. One such solution is to allocate multiple CDMA code channels to the users and allow those users to transmit data in parallel on the plurality of code channels available to them. Two methods for providing multiple CDMA channels for use by a single user are described in copending U.S. Patent Application Serial No. 08/431,180, entitled "METHOD AND APPARATUS FOR PROVIDING VARIABLE RATE DATA IN A COMMUNICATIONS SYSTEM USING STATISTICAL MULTIPLEXING", filed April 28, 1997 and U.S. Patent Application Serial No. 5,777,990 ~~08/838,240~~, entitled "METHOD AND APPARATUS FOR PROVIDING VARIABLE RATE DATA IN A COMMUNICATIONS SYSTEM USING NON-ORTHOGONAL OVERFLOW CHANNELS", issued July 7, 1998 ~~filed April 16, 1997~~, both of which are assigned to the assignee of the present invention and are incorporated by reference herein. In addition, frequency diversity can be obtained by transmitting data over multiple spread spectrum channels that are separated from one another in frequency. A method and apparatus for redundantly transmitting data over multiple CDMA channels is described in U.S. Patent No. 5,166,951, entitled "HIGH CAPACITY SPREAD SPECTRUM CHANNEL", which is incorporated by reference herein.

Please replace paragraph two on page three with the following amended paragraph:

In a second embodiment of the transmitter of the present invention, a subset of the information bits to be transmitted are used to select the center frequency of the spread spectrum signal. In one embodiment, the data is packetized, encoded and spread. The spread data is provided to a bank of upconverters, each of which upconvert the spread data to a different center frequency. An upconverted stream of data is then selected from among the streams of data output from the bank of upconverters, based upon a subset of the upconverted stream of data to be transmitted. Alternatively,[[,]] the data is packetized, encoded, spread and provided to an upconverter that upconverts the data in accordance with a signal generated by a variable frequency synthesizer that selects its output frequency based on a subset of the information bits to be transmitted.